

CLAIMS

We claim:

- 1 1. A method comprising:
2 receiving a JPEG 2000 codestream of compressed image data having
3 sideband information hidden therein; and
4 decompressing the codestream based on the sideband information.
- 1 2. The method defined in Claim 1 wherein the sideband
2 information is stored in a marker from the group of markers that includes
3 PPM, PPT, PLM, PLT, QCD, QCC, POC markers.
- 1 3. The method defined in Claim 1 wherein the sideband
2 information is stored in a packet header.
- 1 4. The method defined in Claim 1 wherein the sideband
2 information is stored at the end of a packet header rounding information in
3 the header to a byte boundary.

1 5. The method defined in Claim 1 wherein the sideband
2 information is stored after the last packet but before a next tile.

1 6. The method defined in Claim 1 wherein the sideband
2 information is stored in packet header Lblock signaling.

1 7. The method defined in Claim 1 wherein the sideband
2 information is stored in the arithmetic coder (AC) termination information.

1 8. The method defined in Claim 1 wherein the sideband
2 information is stored in the Least Significant Bit parity information for at
3 least one codeblock.

1 9. The method defined in Claim 1 wherein the sideband
2 information is provided via inclusion in the codestream of a non-minimal
3 tag tree construction.

1 10. The method defined in Claim 1 wherein decompressing the
2 codestream comprises decompressing the codestream using hints stored in
3 the sideband information.

1 11. The method defined in Claim 1 wherein the hints comprise
2 decoding, segmentation or filtering hints.

1 12. The method defined in Claim 11 wherein the sideband
2 information comprises security information.

1 13. The method defined in Claim 11 wherein the sideband
2 information comprises codestream identification information.

1 14. The method defined in Claim 11 wherein the sideband
2 information comprises post-processing hints.

1 15. An apparatus comprising:
2 means for receiving a JPEG 2000 codestream of compressed image
3 data having sideband information hidden therein; and

4 means for decompressing the codestream based on the sideband
5 information.

1 16. The apparatus defined in Claim 15 wherein the sideband
2 information is stored in a marker from the group of markers that includes
3 PPM, PPT, PLM, PLT, QCD, QCC, POC markers.

1 17. The apparatus defined in Claim 15 wherein the sideband
2 information is stored in a packet header.

1 18. The apparatus defined in Claim 15 wherein the sideband
2 information is stored at the end of a packet header rounding information in
3 the header to a byte boundary.

1 19. The apparatus defined in Claim 15 wherein the sideband
2 information is stored after the last packet but before a next tile.

1 20. The apparatus defined in Claim 15 wherein the sideband
2 information is stored in packet header Lblock signaling.

1 21. The apparatus defined in Claim 15 wherein the sideband
2 information is stored in the arithmetic coder (AC) termination information.

1 22. The apparatus defined in Claim 15 wherein the sideband
2 information is stored in the Least Significant Bit parity information for at
3 least one codeblock.

1 23. The apparatus defined in Claim 15 wherein the sideband
2 information is provided via inclusion in the codestream of a non-minimal
3 tag tree construction.

1 24. The apparatus defined in Claim 15 wherein the means for
2 decompressing the codestream comprises means for decompressing the
3 codestream using hints stored in the sideband information.

1 25. The apparatus defined in Claim 15 wherein the hints comprise
2 means for decoding, segmentation or filtering hints.

1 26. The apparatus defined in Claim 25 wherein the sideband
2 information comprises security information.

1 27. The apparatus defined in Claim 25 wherein the sideband
2 information comprises codestream identification information.

1 28. The apparatus defined in Claim 25 wherein the sideband
2 information comprises post-processing hints.

1 29. An article of manufacture comprising at least one recordable
2 media storing executable instructions thereon which, when executed by a
3 processing device, cause the processing device to:
4 receive a JPEG 2000 codestream of compressed image data having
5 sideband information hidden therein; and
6 decompress the codestream based on the sideband information.